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25 (Amended). A method of diagnosing an individual who has stomach cancer comprising the steps of examining a sample of stomach tissue to detect the presence of CDX2 transcript wherein the presence of CDX2 transcript in a stomach sample indicates stomach cancer.

A₂
27 (Amended). The method of claim 25 wherein the presence of CDX2 gene transcription product is determined by polymerase chain reaction wherein said sample is contacted with primers that selectively amplify CDX2 gene transcript or cDNA generated therefrom.

A₃
29 (Amended). A method of diagnosing an individual who has esophageal cancer comprising the steps of examining a sample of esophagus tissue to detect the presence of CDX2 transcript wherein the presence of CDX2 transcript in an esophageal sample indicates esophageal cancer.

A₄
31 (Amended). The method of claim 29 wherein the presence of CDX2 gene transcription product is determined by polymerase chain reaction wherein said sample is contacted with primers that selectively amplify CDX2 gene transcript or cDNA generated therefrom.